In re Patent Application of:
VINSON ET AL.
Serial No. 10/696,918
Filing Date: October 30, 2003

In the Claims:

Claims 1-9 (CANCELLED)

- 10. (CURRENTLY AMENDED) An integrated circuit chip module comprising:
 - a substrate;
- an integrated circuit die mounted on the substrate and having die pads and an exposed surface opposite from the substrate;
- a plurality of substrate bonding pads positioned on the substrate adjacent the integrated circuit die; and
- a plurality of decoupling capacitor assemblies mounted on the integrated circuit die, each decoupling capacitor assembly comprising
 - a capacitor carrier secured onto the exposed surface of the integrated circuit die,
 - a decoupling capacitor carried by said capacitor
 carrier;
 - a thin film metallization layer $\frac{\text{positioned}}{\text{position}}$ on said capacitor carrier; $\frac{\text{and}}{\text{capacitor}}$
 - a decoupling capacitor secured onto said thin film
 metallization layer;
- a conductive adhesive layer engaging positioned between said decoupling capacitor and thin film metallization layer and securing said decoupling capacitor to said capacitor earrier on said thin film metallization layer;

In re Patent Application of: VINSON ET AL.

Serial No. 10/696,918

Filing Date: October 30, 2003

a wire bond extending from the thin film metallization layer to a logic pin of the integrated circuit $\frac{\text{die and die};}{\text{and}}$

<u>a wire bond extending</u> from a logic pin to a substrate bonding pad.

Claim 11 (CANCELLED)

12. (PREVIOUSLY PRESENTED) An integrated circuit chip module according to Claim 10, wherein said plurality of decoupling capacitors are mounted in series along said integrated circuit die.

Claim 13 (CANCELLED)

Claim 14 (CANCELLED)

- 15. (ORIGINAL) An integrated circuit chip module according to Claim 10, wherein said capacitor carrier is formed from an aluminum nitride substrate.
- 16. (ORIGINAL) An integrated circuit chip module according to Claim 15, wherein said aluminum nitride substrate ranges in thickness from about 5 mil to about 50 mil.

Claim 17 (CANCELLED)

In re Patent Application of: VINSON ET AL. Serial No. 10/696,918 Filing Date: October 30, 2003

18. (ORIGINAL) An integrated circuit chip module according to Claim 10, and including a bonding pad on said thin film metallization layer for securing a wire bond.

Claims 19-27 (CANCELLED)

28. (CURRENTLY AMENDED) A decoupling capacitor assembly used for decoupling integrated circuit die comprising:

a capacitor carrier formed as an aluminum nitride substrate that is about 5 mil to about 50 mil thickness;

a decoupling capacitor carried by said capacitor carrier;

an adhesive securing said decoupling capacitor to said capacitor carrier; and

a thin film metallization layer formed on the capacitor carrier; wherein said adhesive comprises a conductive adhesive for conducting current between said capacitor and said capacitor carrier

a decoupling capacitor secured onto said thin film
metallization layer;

a conductive adhesive positioned between said decoupling capacitor and thin film metallization layer and securing said decoupling capacitor on said thin film metallization layer; and

a wire bond extending from said decoupling capacitor and adapted to be connected to a logic pin of an integrated circuit die.

Claim 29 (CANCELLED)

In re Patent Application of:
VINSON ET AL.
Serial No. 10/696,918
Filing Date: October 30, 2003

30. (PREVIOUSLY PRESENTED) A decoupling capacitor assembly according to Claim 28, and further comprising a bonding pad positioned on said capacitor carrier for connecting the wire bond thereto.

Claims 31-38 (CANCELLED)